Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

1. (Currently Amended) A system for conveying location of an object comprising:

first means for receiving location information regarding ~~said~~ the object, ~~said~~ the location information including a first coordinate x, a second coordinate y, and a third coordinate z, wherein the third coordinate z represents an absolute altitude of the object relative to a

5   geographic reference;

second means for correlating ~~said~~ the first and second coordinates (x,y) with a location of an icon in two-dimensional space in ~~an electro-optical~~ a display; and

third means for correlating ~~said~~ the third coordinate z with a ~~size~~ characteristic of ~~said~~ the icon, wherein the characteristic of the icon changes in response to changes in the third coordinate

10   z, and wherein the relationship between the characteristic of the icon which changes and the third coordinate z is substantially monotonic.

2. (Currently Amended) The ~~invention~~ system of Claim 1, wherein the characteristic of the icon which changes is a size of the icon and said third means correlates the third coordinate z with the

15   size of the icon. ~~wherein said third coordinate z represents altitude.~~

3. (Currently Amended) The ~~invention~~ system of Claim 1, wherein ~~said~~ the first and second coordinates (x,y) represent latitude and longitude.

20   4. (Currently Amended) The ~~invention~~ system of Claim 1, wherein ~~said~~ the object is an aircraft.

5. (Currently Amended) The ~~invention~~ system of Claim ~~1~~ 2, wherein ~~said~~ the size of ~~said~~ the icon is selected from a limited number of discriminably different sizes.

6. (Currently Amended) The ~~invention~~system of Claim ~~1~~2. wherein said third means includes a continuously variable relationship between ~~said~~the size of the icon ~~size~~ and ~~said~~the third coordinate z.

5   7. (Currently Amended) The ~~invention~~system of Claim ~~1~~2. wherein ~~said~~the size of ~~said~~the icon is directly correlated with ~~said~~the third coordinate z, such that a larger value of ~~said~~the third coordinate z correlates with a larger size of ~~said~~the icon.

8. (Currently Amended) The ~~invention~~system of Claim 2.~~1~~ wherein ~~said~~the size of ~~said~~the icon 10   is inversely, ~~non-linearly, or discontinuously,~~ correlated with ~~said~~the third coordinate z,~~-an~~ ~~inverse-correlation is~~ such that a larger value of ~~said~~the third coordinate z correlates with a smaller size of ~~said~~the icon.

9. (Currently Amended) A system for conveying location of an object comprising:
15   first means for receiving location information regarding ~~said~~ the object, ~~said~~the location information including a first coordinate x, a second coordinate y, and a third coordinate z, wherein the third coordinate z represents an absolute altitude of the object relative to a geographic reference;
          second means for correlating ~~said~~the first and second coordinates (x,y) with a location of 20   an icon in ~~an electro-optical~~ a display; and
          third means for correlating ~~said~~the third coordinate z with at least one of size, ~~a~~color, ~~-or~~ grayscale, intensity, and shape ~~value~~ of ~~said~~the icon, wherein the at least one of the size, the color, the grayscale, the intensity, and the shape of the icon changes in response to changes in the third coordinate z, and wherein the relationship between the at least one of the size, the color, the 25   grayscale, the intensity, and the shape of the icon and the third coordinate z is substantially monotonic.

10. (Currently Amended) A system for conveying location of an object comprising:
          first means for receiving location information regarding the~~said~~ object, ~~said~~the location 30   information including a first coordinate x, a second coordinate y, and a third coordinate z,

wherein the third coordinate z represents an absolute altitude of the object relative to a geographic reference;

second means for correlating ~~said~~the first and second coordinates (x,y) with a location of an icon in ~~an electro-optical~~ a display; and

5   third means for correlating ~~said~~the third coordinate z with a selected one of size, color, grayscale, ~~an~~intensity ~~(i.e., contrast value)~~, and shape of ~~said~~the icon, wherein the selected one of the size, the color, the grayscale, the intensity, and the shape of the icon changes in response to changes in the third coordinate z, and wherein the relationship between the selected one of the size, the color, the grayscale, the intensity, and the shape of the icon and the third coordinate z is

10   substantially monotonic.

11. (Currently Amended) A system for conveying location of an object comprising:

first means for receiving location information regarding ~~said~~ the object, ~~said~~the location information including a first coordinate x, a second coordinate y, and a third coordinate z,

15   wherein the third coordinate z represents an absolute altitude of the object relative to a geographic reference;

second means for correlating ~~said~~the first and second coordinates (x,y) with a location of an icon in ~~an electro-optical~~ a display; and

third means for correlating ~~said~~the third coordinate z with two or more of size, color,

20   grayscale, intensity, and ~~a~~shape of ~~said~~the icon, wherein the two or more of the size, the color, the grayscale, the intensity, and the shape of the icon change in response to changes in the third coordinate z, and wherein the relationship between at least one of the two or more of the size, the color, the grayscale, the intensity, and the shape of the icon and the third coordinate z is substantially monotonic.

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12. (Currently Amended) A system for conveying aircraft altitude to a human observer comprising:

a receiver for receiving latitude, longitude, and altitude information, wherein the altitude information corresponds to an absolute altitude of the aircraft relative to a geographic reference;

30   ————— ~~a microprocessor;~~

———— a memory device;

a display; and

a ~~program~~ processor ~~for~~ to ~~converting~~ convert ~~said~~ the altitude information to an icon ~~size~~ having an icon characteristic, and to place ~~placing an~~ the icon ~~of said icon size~~ at coordinates

5   corresponding to ~~said~~ the latitude and longitude in said display~~.~~, wherein the characteristic of the icon changes in response to changes in the altitude, wherein the relationship between the icon characteristic and the altitude is substantially monotonic.

13. (Currently Amended) A method for conveying location of an object including~~: the steps of:~~

10   receiving location information regarding the ~~said~~ object, ~~said~~ the location information including a first coordinate x, a second coordinate y, and a third coordinate z, wherein the third coordinate z represents an absolute altitude of the object relative to a geographic reference;

correlating ~~said~~ the first and second coordinates (x,y) with a location of an icon in a ~~an~~ ~~electro-optical~~ display; and

15   correlating ~~said~~ the third coordinate z with a ~~size~~ characteristic of ~~said~~ the icon, wherein the icon characteristic changes in response to changes in the third coordinate z, and wherein the relationship between the icon characteristic and the third coordinate z is substantially monotonic.

14. (New) The system of Claim 1, wherein the characteristic of the icon which changes is

20   intensity of the icon and said third means is for correlating the third coordinate z with the intensity of the icon.

15. (New) The system of Claim 14, wherein the intensity of the icon is selected from a limited number of discriminably different intensities.

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16. (New) The system of Claim 14, wherein said third means includes a continuously variable relationship between the intensity of the icon and the third coordinate z.

17. (New) The system of Claim 14, wherein the intensity of the icon is directly correlated with the third coordinate z, such that a larger value of the third coordinate z correlates with a higher intensity of the icon.

5   18. (New) The system of Claim 14, wherein the intensity of the icon is inversely correlated with the third coordinate z, such that a larger value of the third coordinate z correlates with a lower intensity of the icon.

19. (New) The system of Claim 1, wherein the characteristic of the icon which changes is one

10   or more colors of the icon and said third means is for correlating the third coordinate z with the one or more colors of the icon.

20. (New) The system of Claim 19, wherein aspects of the one or more colors of the icon are selected from a limited number of discriminably different color aspects.

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21. (New) The system of Claim 19, wherein aspects of the one or more colors of the icon have a continuously variable relationship with the third coordinate z.

22. (New) The system of Claim 1, wherein the characteristic of the icon which changes is shape

20   of the icon and said third means is for correlating the third coordinate z with the shape of the icon.

23. (New) The system of Claim 12, wherein the characteristic of the icon which changes is a selected one of size, color, grayscale, intensity, and shape of the icon.

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24. (New) The system of Claim 12, wherein the characteristic of the icon which changes is size of the icon.

25. (New) The method of Claim 13, wherein the characteristic of the icon which changes is size

30   of the icon.

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26. (New) The method of Claim 25, wherein the size of the icon is selected from a limited number of discriminably different sizes.

5   27. (New) The method of Claim 25, wherein said correlating includes a continuously variable relationship between the size of the icon and the third coordinate z.

28. (New) The method of Claim 25, wherein said correlating includes a direct relationship between the size of the icon and the third coordinate z, such that a larger value of the third

10   coordinate z results in a larger size of the icon.

29. (New) The method of Claim 25, wherein said correlating includes an inverse relationship between the size of the icon and the third coordinate z, such that a larger value of the third coordinate z results in a smaller size of the icon.

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30. (New) The method of Claim 13, wherein the characteristic of the icon which changes is intensity of the icon.

31. (New) The method of Claim 30, wherein the intensity of the icon is selected from a limited

20   number of discriminably different intensities.

32. (New) The method of Claim 30, wherein said correlating includes a continuously variable relationship between the intensity of the icon and the third coordinate z.

25   33. (New) The method of Claim 30, wherein said correlating includes a direct relationship between the intensity of the icon and the third coordinate z, such that a larger value of the third coordinate z results in a higher intensity of the icon.

34. (New) The method of Claim 30, wherein said correlating includes an inverse relationship between the intensity of the icon and third coordinate z, such that a larger value of the third coordinate z results in a lower intensity of the icon.

5   35. (New) The method of Claim 13, wherein the characteristic of the icon which changes is one or more colors of the icon.

36. (New) The method of Claim 35, wherein aspects of the one or more colors of the icon are selected from a limited number of discriminably different color aspects.

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37. (New) The method of Claim 35, wherein aspects of the one or more colors of the icon have a continuously variable relationship with the third coordinate z.

38. (New) The method of Claim 13, wherein the characteristic of the icon which changes is

15   shape of the icon.